ASSIGNMENT 2

Assignment Date	4 october 2022
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Maximum Marks	2 Marks

QUESTION:

Build a python code,Assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Aim:

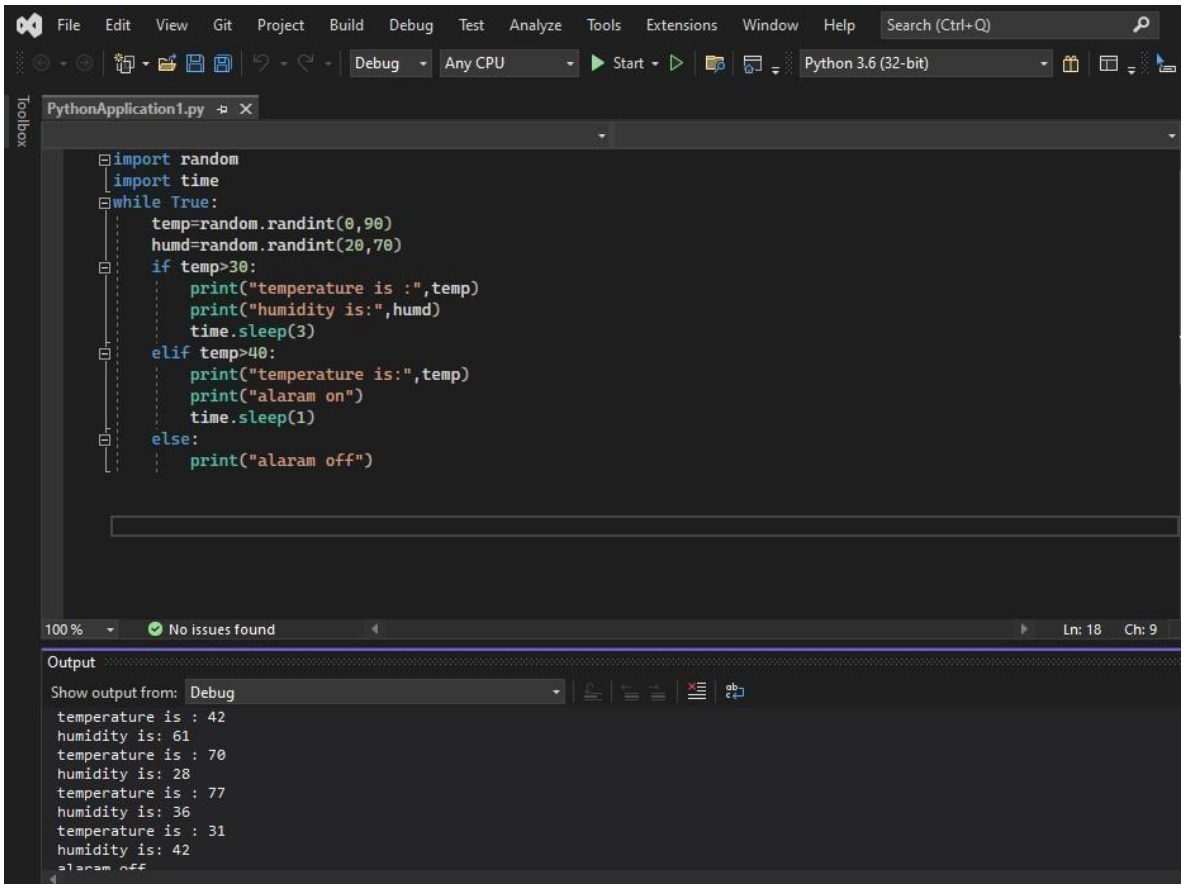
To get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature

Code:

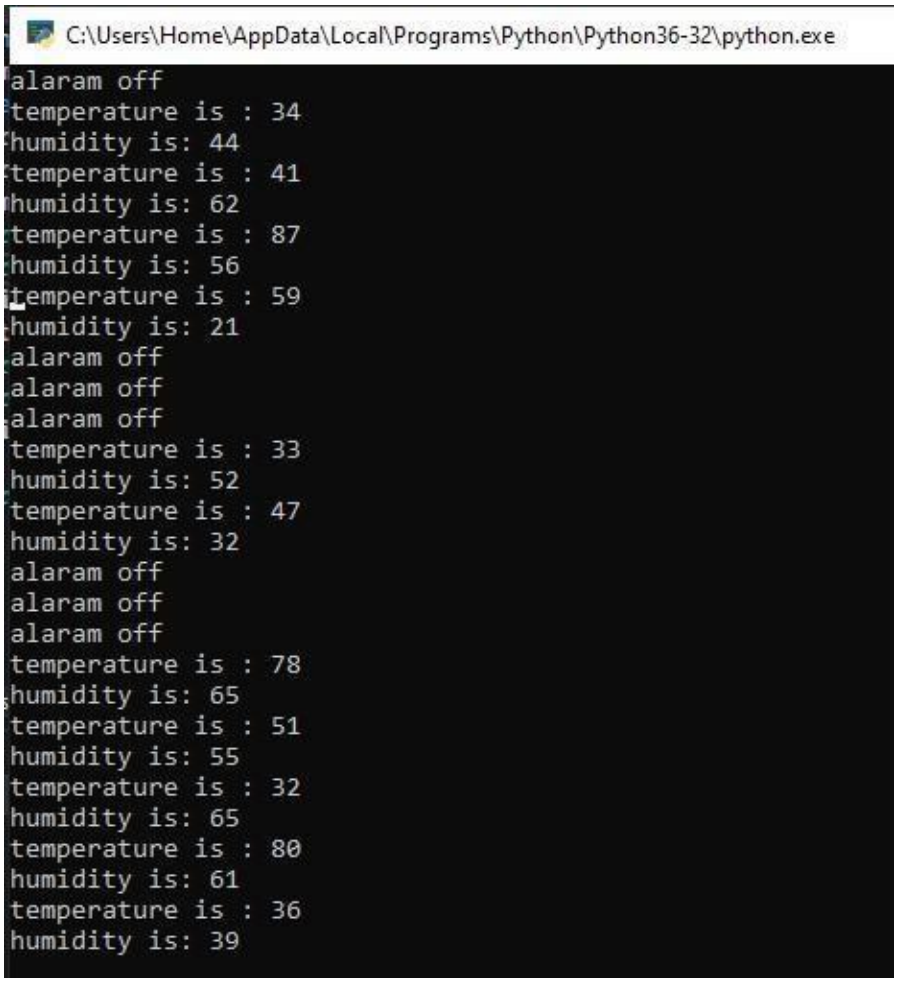
```
import random import time while
True:
temp=random.randint(0,90)
humd=random.randint(20,70)     if
temp>30:          print("temperature
is :",temp)           print("humidity
is:",humd)
       time.sleep(3)     elif temp>40:
print("temperature is:",temp)
print("alaram on")
time.sleep(1)     else:
print("alaram off")
```

output:
temperature is : 48
humidity is: 55 temperature
is : 90 humidity is: 66
temperature is : 57
humidity is: 43 temperature
is : 42 humidity is: 32
temperature is : 59
humidity is: 47 temperature
is : 42 humidity is: 25
alaram off temperature is :
80 humidity is: 35 alaram
off temperature is : 55
humidity is: 50 temperature
is : 59 humidity is: 42
alaram off temperature is :
77 humidity is: 48
temperature is : 42
humidity is: 63 alaram off
alaram off

program screen:



Output screen:



Result:

Thus temperature and humidity values are derived and alarm is detected at high temperature.